

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Chung C. Yang et al.

Confirmation N.:

Application No.: TBD

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: SYSTEM FOR DELIVERING MATERIAL ONTO A SUBSTRATE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

- ☐ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: \_\_\_\_\_  
OR
- ☐ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number \_\_\_\_\_ on \_\_\_\_\_  
Number of pages: \_\_\_\_\_

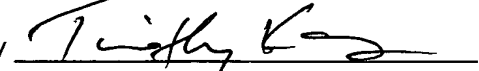
Typed Name:

Signature: \_\_\_\_\_

Respectfully submitted,

Chung C. Yang et al.

By



Timothy B. Kang

Attorney/Agent for Applicant(s)

Reg. No. **46,423**

Date: **Oct. 31, 2003**

Telephone No.: **(703) 560-8503**

**PATENT APPLICATION**

Sheet 1 of 1

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200315473-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Chung C. Yang et al.</b>		
	FILING DATE <b>Herewith</b>	GROUP	

**REFERENCE DESIGNATION**

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,401,001	June 4, 2002	Jang et al.	
	1B	6,413,790	July 2, 2002	Duthaler et al.	
	1C	6,520,402	Feb. 18, 2003	Orme-Marmorelis	
	1D	6,521,489	Feb. 18, 2003	Duthaler et al.	
	1E				
	1F				
	1G				
	1H				
	1I				
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	1K				

**FOREIGN PATENT DOCUMENTS**

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	1L					
	1M					
	1N					
	1O					
	1P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

1Q	Eschbach and Rezanka, "Recent Progress in Ink-Jet Technologies I", Electrostatic Source, 1996.
1R	Hardman, Tony, "Inkjet Printer Operation", Printer Cartridges Ink, 1996.
1S	Easen, Nick, "Want a PC this Xmas? Then Print it", CNN, Sept. 28, 2003, <a href="http://www.cnn.com/2003/TECH/09/24/wow.tech.santa.printer/index.html">http://www.cnn.com/2003/TECH/09/24/wow.tech.santa.printer/index.html</a>

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	1Q	Nelson, Amy, "Rayleigh Instability of an Annulus", ChE 385M: Surface Phenomena, May 4, 2000.
	1R	MicroFab Technote 99-01 Background on Ink-Jet Technology, September 28, 1999.
	1S	Calvert, Paul, "Inkjet Printing for Materials and Devices", Dept of Materials Science & Engineering, Univ. of Arizona, 2001.

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	1Q	Darhuber, Anton; Trojan, Sandra; Miller, Scott; "Morphology of liquid microstructures on chemically patterned surfaces", Journal of Applied Physics, Volume 87, No. 11, June 2000.
	1R	Jaworek, Anatol; Krupa, Andrzej; "Electrohydrodynamic Spraying", <a href="http://www.imp.gda.pl/ehd/ehd_spry.html">http://www.imp.gda.pl/ehd/ehd_spry.html</a>
	1S	Jaworek, A.; Krupa, A.; "Main Modes of Electrohydrodynamic Spraying of Liquids", ICMF June 1998.

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**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

	1Q	Lin, S.P.; Hudman, M.; Chen, J.N.; "Absolute and Convective Instability of a Liquid Jet", Clarkson University.
	1R	Canney, John; Risner, Jeremy; Subramanian, Vivek; "Flexonics" Electrical Engineering and Computer Sciences, Univ. of California, Berkeley.
	1S	Tseng, Fan-Gang, "Micro-Droplet Generators", National Tsing Hua University, Taiwan

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	1Q	Fel, Leonid G.; Zimmels, Yoram; "Rayleigh Instability in Liquid Crystalline Jet" Dept of Civil Engineering, Technion, Isreal, November 4, 2002.
	1R	Prof. Dr. -Ing, Wolfgang Wehl, "Tintendruck: Strahlt er oder strahlt er nicht, das ist hier die Frage!", <a href="http://www.mm.fh-heilbronn.de/wehl/literat/tidruck.htm">http://www.mm.fh-heilbronn.de/wehl/literat/tidruck.htm</a>
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